

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/24

Applicant: K. Wood et al.

Title: COVALENT TETHERING OF FUNCTIONAL GROUPS TO PROTEINS

Docket No.: 341.020US1

Serial No.: 10/768,976

Filed: January 30, 2004

Due Date: N/A

Examiner: Unknown

Group Art Unit: 1645

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 25 cited documents, including an International Search Report.

If not provided for in a separate paper filed herewith, Please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Customer Number 21186

By: [Signature]  
Atty: Janet E. Embretson  
Reg. No. 39,665

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 17 day of December, 2004.

JAMES KANYUSIK  
Name

[Signature]  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
(GENERAL)

S/N 10/768,976



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Keith V. Wood et al.	Examiner:	Unknown
Serial No.:	10/768,976	Group Art Unit:	1645
Filed:	January 30, 2004	Docket:	341.020US1
Title:	COVALENT TETHERING OF FUNCTIONAL GROUPS TO PROTEINS		

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Several of the attached documents were discovered as a result of a Search Report in Applicants' corresponding foreign patent application. Enclosed for the Examiner's information is a copy of the cited documents and the Search Report.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

The present application is a U.S. national patent application filed after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

KEITH V. WOOD ET AL.

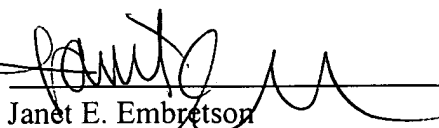
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6959

Date

December 17, 2004

By

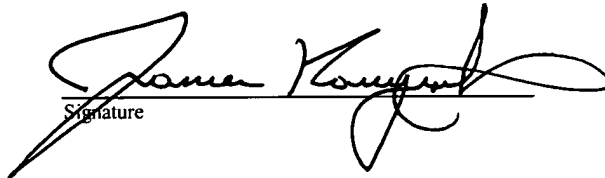
  
Janet E. Embretson  
Reg. No. 39,665

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Name

JAMES KAUFUSIK

Signature

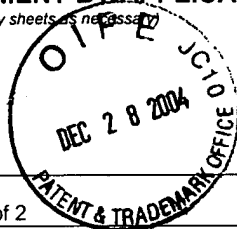


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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)



Complete if Known

Application Number 10/768,976

Filing Date January 30, 2004

First Named Inventor Wood, Keith

Group Art Unit 1645

Examiner Name Unknown

Sheet 1 of 2

Attorney Docket No: 341.020US1

## US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-5,503,977	04/02/1996	Johnsson, N., et al.	04/22/1994
	US-5,523,209	06/04/1996	Ginsberg, M. H., et al.	03/14/1994
	US-5,700,908	12/23/1997	Ruoslahti, E. I., et al.	06/01/1995
	US-5,821,047	10/13/1998	Garrard, I. J., et al.	06/05/1995
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	US-6,333,154	12/25/2001	Ladant, D., et al.	12/01/1998

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
	WO-01/60415A1	08/23/2001	Lollo, C. P., et al.	
	WO-2004/009788A2	01/29/2004	Tozer, E., et al.	
	WO-2004/072232A2	08/26/2004	Wood, K. V., et al.	

## OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		The Second Symposium on Biological Imaging: New Dimensions in In Vivo Imaging, Lecturer Abstracts, obtained from <a href="http://www.promega-rd.info/bioimage2003/abstracts/lecture/default.asp">www.promega-rd.info/bioimage2003/abstracts/lecture/default.asp</a> (2003), 5 Pages	
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		CAMPBELL, R. E., et al., "A Monomeric Red Fluorescent Protein", <u>PNAS</u> , 99(12), (2002), 7877-7882	
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		GURSKAYA, N. G., et al., "GFP-like Chromoproteins as a Source of Far-red Fluorescent Proteins", <u>FEBS Letters</u> , 507, (2001), 16-20	
		HOLLOWAY, P., et al., "A Colorimetric Assay for Detecting Haloalkine Dehalogenase Activity", <u>Journal of Microbiological Materials</u> , 32, (1998), 31-36	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

<b>Application Number</b>	10/768,976
<b>Filing Date</b>	January 30, 2004
<b>First Named Inventor</b>	Wood, Keith
<b>Group Art Unit</b>	1645
<b>Examiner Name</b>	Unknown

Sheet 2 of 2

Attorney Docket No: 341.020US1

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		HYNKOVA, K. , et al., "Identification of the Catalytic Triad in the Haloalkane Dehalogenase from <i>Sphingomonas paucimobilis</i> UT26", <u>FEBS Letters</u> , 446, (Mar. 5, 1999),177-181	
		ICHIYAMA, S. , et al., "Novel Catalytic Mechanism of Nucleophilic Substitution by Asparagine Residue Involving Cyanoalanine Intermediate Revealed by Mass Spectrometric Monitoring of an Enzyme Reaction", <u>Journal of Biological Chemistry</u> , 275, (Dec. 29, 2000),40804-40809	
		KURIHARA, T. , et al., "Comprehensive Site-directed Mutagenesis of L-2-Halo Acid Dehalogenase to Probe Catalytic Amino Acid Residues", <u>Journal of Biochemistry</u> , 117, (Mar. 15, 1995),1317-1322	
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		MICHL, J. , et al., <u>Electronic Aspects of Organic Photochemistry</u> , (John Wiley & Sons, 1990),61-78	
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		PULIG, O. , et al., "The Tandem Affinity Purification (TAP) Method: A General Procedure of Protein Complex Purification", <u>Methods</u> , 24, (2001),218-229	
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		WEISSLEDER, R. , et al., "Shedding Light Onto Live Molecular Targets", <u>Nature Medicine</u> , 9(1), (2003),123-128	
		YANG, G. , et al., "Identification of Active Site Residues Essential to 4-Chlorobenzoyl-Coenzyme A Dehalogenase Catalysis by Chemical Modification and Site Directed Mutagenesis", <u>Biochemistry</u> , 35, (1996),10879-10885	
		YANG, M. , et al., "Whole-Body Optical Imaging of Green Fluorescent Protein-Expressing Tumors and Metastases", <u>PNAS</u> , 97(3), (2000),1206-1211	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1448)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached